

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A server/client system for processing data, the system comprising:

a network comprising:

a web server having information accessible remotely;

a recognition server;

a first client device adapted to receive information from the web server and having a visual interface browser to access information from the web server and a rendering device to visually indicate fields to be entered, the first client device configured to record input speech data associated with each of the fields upon an indication by a user of the first client device of which field subsequent input is intended for, and wherein the first client device is adapted to send the input speech data to the recognition server remote from the first client device;

a second client device, remote from the first client device, having a microphone and a speaker and adapted to receive information from the web server, the second client device configured to record input speech data associated with each of a set of fields in response to prompts given to a user of the second client device, and wherein the second client device is adapted to send the input speech data to the same recognition server as used by the first client device, the recognition server being remote from the second client device, wherein the second client device comprises a telephone and a voice browser capable of rendering the information from the web server audibly; and

wherein the recognition server is configured to receive the input speech data from both of the client devices separately, process the input speech data from each client device, and return data indicative of what was recognized to at least one of the client device providing the input speech data and the web server.

2-7 (Cancelled)

8. (Previously Presented) The system of claim 15 wherein the markup language comprises one of HTML, XHTML, cHTML, XML and WML.

9. (Previously Presented) The system of claim 1 wherein each client device is adapted to normalize the input speech data prior to sending the input speech data to the recognition server.

10-13 (Cancelled)

14. (Previously Presented) The system of claim 1 wherein the information received from the web server and provided to each of the client devices is a markup language.

15. (Original) The system of claim 14 wherein the markup language received by the client devices comprises one or several markup portions and one or several script portions.

16. (Original) The system of claim 15 wherein the markup language includes an indication associating a grammar with a field, the indication having the same form from each of the client devices.

17. (Previously Presented) The system of claim 16 wherein the

recognition server receives the input speech data and the indication of the grammar.

18. (Previously Presented) The system of claim 17 wherein the grammar is stored on each of the client devices and transferred to the recognition server with the input speech data.

19. (Cancelled)

20. (Previously Presented) The system of claim 1 wherein each of the client devices is adapted to normalize the input speech data prior to sending the input speech data to the recognition server.

21. (Previously Presented) The system of claim 1 wherein the web server includes a server side plug-in module for dynamically generating markup language for each of the client devices.

22. (Original) The system of claim 21 wherein the server side plug-in module dynamically generates markup language as a function of the type of client device.

23. (Original) The system of claim 22 wherein the server side plug-in module detects the type of client device.

24. (Previously Presented) The system of claim 21 wherein the web server includes a plurality of dialog modules accessible by the server side plug-in module, each dialog module pertaining to obtaining data using speech recognition, the server side plug-in module generating the markup language as a function of a dialog module.

25. (Original) The system of claim 1 wherein the web server and the recognition server are located on a single machine.

26. (Currently Amended) A server/client system for processing data, the system comprising:

a network comprising:

a web server having information accessible remotely;

a first client device adapted to receive information from the web server and having a visual interface browser to access information from the web server and a rendering device to visually indicate fields to be entered, the first client device configured to record input data associated with each of the fields upon an indication by a user of the first client device of which field subsequent input is intended for, and wherein the first client device is adapted to send the input data;

a second client device, remote from the first client device, comprising a telephone and having a browser, a microphone and an audible rendering component, the second client device configured to obtain the information from the web server, the information having corresponding fields, the second client device further configured to record input data associated with each of the fields, and wherein the second client device is adapted to send the input data; and

a recognition server remote from and operatively connected to the web server, the first client device and the second client device via a wide area network, the same recognition server being configured to receive the input data from both the first client device and the second client device separately and return data indicative of what was recognized based on a grammar to at least one of

the client devices providing the input data and the web server.

27. (Previously Presented) The system of claim 26 wherein the information received from the web server and provided to each of the client devices is a markup language.

28. (Original) The system of claim 27 wherein the markup language comprises one of HTML, XHTML, cHTML, XML and WML.

29. (Previously Presented) The system of claim 26 wherein the grammar is stored on at least one of the client devices and transferred to the recognition server with the input data.

30. (Original) The system of claim 26 wherein the grammar is stored on the recognition server and wherein the indication of the grammar includes a reference to the grammar for the recognition server.

31-33 (Cancelled)

34. (Currently Amended) A method for processing voice recognition in a client/server system comprising:

transmitting information from a web server a markup language page having extensions configured to obtain input data from a user a first client device and a user of a second client device, wherein the first client device and the second client device are remote from each other and communicate with the web server over a wide area network, the first client device having a visual interface browser to access information from the web server and a visual rendering device, and the second client device comprising a telephone and a voice

browser to access information from the web server;
rendering the markup language page on each of the client devices;
obtaining input data as a function of input from each of the users of the corresponding client devices;
transmitting the input data and an indication of an associated grammar over the wide area network to a single recognition server remote from each of the client devices, the recognition server being connected to the wide area network; and
transmitting a recognition result from the recognition server indicative of what was inputted from each client device over the wide area network to at least one of the corresponding client device providing the input and the web server
receiving over the wide area network and at the speech recognizer data indicative of a prompt for the user to be used when the recognition results are indicative of no recognition of the input from one of the client devices;
converting at the speech recognizer the data indicative of the prompt to speech data when the recognition results are indicative of no recognition of the input from said one of the client devices; and
sending the speech data to said one of the client devices over the wide area network.

35. (Cancelled)

36. (Previously Presented) The method of claim 34 wherein rendering the markup language includes rendering audible prompts.

37. (Original) The method of claim 34 wherein the markup language comprises one of HTML, XHTML, cHTML, XML and WML.

38. (Original) The method of claim 34 wherein transmitting the indication of the grammar comprises transmitting the grammar.

39. (Original) The method of claim 34 wherein transmitting the indication of the grammar comprises transmitting a reference to the recognition server as to where the grammar is located.